

NEW TOPOLOGY ON VCSEL DRIVER

ABSTRACT

The present invention provides a circuit capable of driving a diode with multiple amounts of current with a low supply voltage without the requirement of alternating current coupling. The circuit provides for headroom voltage for the current sources
5 allowing them to operate correctly without the requirement of external components such as inductors to provide coupling. The circuit may provide one of at least two different amounts of current depending upon the voltage of at least two inputs suitable for driving a vertical cavity surface emitting laser diode.

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